



The Chemical Company

Safety Data Sheet

DEGADUR 410

Revision date : 2013/03/04

Version: 2.1

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(30415966/SDS_GEN_CA/EN)

1. Product and Company Identification

Company

BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

2. Hazards Identification

Emergency overview

FLAMMABLE.
SENSITIZER.
May cause sensitization by skin contact.

State of matter: liquid
Colour: colourless
Odour: sweetish, ester-like

Potential health effects

Irritation / corrosion:

May cause slight irritation to the eyes. May cause slight irritation to the skin. May cause slight irritation to the respiratory tract.

Sensitization:

Caused skin sensitization in animal studies. Caused sensitization in humans.

Chronic toxicity:

Repeated dose toxicity: After repeated exposure the prominent effect is local irritation.

Signs and symptoms of overexposure:

Overexposure may cause: asthma, tiredness, loss of memory, pain in the extremities, sleep disturbances, headache

Potential environmental effects

Aquatic toxicity:

The product has not been tested.

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3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
80-62-6	45.0 %	methyl methacrylate
103-11-7	20.0 %	2-ethylhexyl acrylate

4. First-Aid Measures

If inhaled:

If not breathing, give artificial respiration. Remove victim to fresh air and away from exposure immediately.

If on skin:

If symptoms persist, seek medical advice. Wash thoroughly with soap and water.

If in eyes:

Flush with copious amounts of water for at least 15 minutes.

If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

5. Fire-Fighting Measures

Flash point: 9 °C

Information on: methyl methacrylate

Autoignition: 435 °C

Literature data.

Suitable extinguishing media:

carbon dioxide, dry powder, foam, water spray

Hazards during fire-fighting:

See MSDS section 7 - Handling and storage.

Further information:

Run-off water from fire may cause pollution. Keep containers cool by spraying with water if exposed to fire. Containers may rocket or explode in heat of fire.

6. Accidental release measures

Cleanup:

Dike spillage. Contain spills and cover with absorbent material.

7. Handling and Storage

Handling

General advice:

Take precautionary measures against static discharges. Ensure thorough ventilation of stores and work areas.

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Storage

General advice:

Keep container tightly closed. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

methyl methacrylate	OSHA	PEL 100 ppm 410 mg/m ³ ;
	ACGIH	TWA value 50 ppm ; STEL value 100 ppm ;

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary. Wear respiratory protection if ventilation is inadequate.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Safety glasses/face shield

Body protection:

chemical-protection suit (f.e. according to EN 14605), Protective suit, Impermeable protective clothing

General safety and hygiene measures:

Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	sweetish, ester-like	
Odour threshold:	< 1 ppm	
Colour:	colourless	
pH value:		not applicable
Boiling point:	approx. 100 °C	
Vapour pressure:		The product has not been tested.
Density:	0.98 g/cm ³	(20 °C) (DIN 51757)
Bulk density:		not applicable
<i>Information on: methyl methacrylate</i>		
Partitioning coefficient n-octanol/water (log Pow):	1.38	(20 °C)

Viscosity, dynamic:	350 - 450 mPa.s	(20 °C) (DIN 53018)
Solubility in water:	approx. 20 g/l	(20 °C)
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid direct sunlight.

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Substances to avoid:

bases, strong oxidizing agents, strong acids, peroxides, amines

Hazardous reactions:

The product is chemically stable.

Decomposition products:

carbon oxides

Thermal decomposition:

> 95 °F

May decompose if overheated and/or subjected to prolonged heating.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Information on: 2-ethylhexyl acrylate

Assessment of acute toxicity:

Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Oral:

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

Inhalation:

Type of value: LC50

Species: rat

Value: 29.8 mg/l

Exposure time: 4 h

Dermal:

Type of value: LD50

Species: rabbit

Value: > 5,000 mg/kg

Irritation / corrosion

Information on: methyl methacrylate

Assessment of irritating effects:

Irritating to skin. Not irritating to the eyes.

Information on: 2-ethylhexyl acrylate

Assessment of irritating effects:

Not irritating to the eyes. Skin contact causes irritation.

Sensitization

Information on: methyl methacrylate

Assessment of sensitization:

Caused skin sensitization in animal studies.

Information on: 2-ethylhexyl acrylate

Assessment of sensitization:

Sensitization after skin contact possible.

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Repeated dose toxicity

Information on: methyl methacrylate
Assessment of repeated dose toxicity:
After repeated exposure the prominent effect is local irritation.

Information on: 2-ethylhexyl acrylate
Assessment of repeated dose toxicity:
The substance may cause damage to the olfactory epithelium after repeated inhalation. After repeated exposure the prominent effect is local irritation.

12. Ecological Information

Other adverse effects:

Acutely harmful for aquatic organisms.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Recommendations: Use excess product in an alternate beneficial application.

14. Transport Information

Land transport

TDG

Hazard class:	3
Packing group:	II
ID number:	UN 1866
Hazard label:	3
Proper shipping name:	RESIN SOLUTION

Sea transport

IMDG

Hazard class:	3
Packing group:	II
ID number:	UN 1866
Hazard label:	3
Marine pollutant:	NO
Proper shipping name:	RESIN SOLUTION

Air transport

IATA/ICAO

Hazard class:	3
Packing group:	II
ID number:	UN 1866
Hazard label:	3
Proper shipping name:	RESIN SOLUTION

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15. Regulatory Information

Federal Regulations

Registration status:
Chemical DSL, CA released / listed

WHMIS classification: B2: Flammable Liquid

D2B: Materials Causing Other Toxic Effects - Toxic material



THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. Other Information

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

SDS Prepared by:
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SDS Prepared on: 2013/03/04

END OF DATA SHEET